

PO No	Supplier	Line Item No	Rel	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Pas Due
PO34711 SAB00		1	1	Net 30		UHMW 1" Black - 48"x120" Tivar Mfg.#52480104: MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS- TOLERANCE: +0.030"/NO MINUS				400	2/27/2018	400		\$045595	Stock	2/26/2018	\$ 21,10 / sf	0	
		2										400		9045596	Stock	2/26/2018	\$ 21.10 / sf	0	
		3				160						400	7	5046597	Stock	2/26/2018	\$ 21.10 / sf	0	
		4										400	A	S045595	Stock	2/26/2018	\$ 21.10 / sf	0	
									Total:	1.600		1,600		-					

Plex 2/26/2018 3:42 PM Dart.Dubois.Pascal



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

### **PURCHASE ORDER** PO34711

Tel (613) 632-5200

SAB003-VU Supplier:

Polymershapes LLC

P.O. Box 15500 Station A

Toronto ON

M5W 1C1 Canada Phone: 613-745-7043

Fax: 613-745-4291

PO No:

PO34711

PO Date:

12/20/17

Due Date:

1/17/18

**Purchase Order** 

Revision:

**Revision Date:** 

Ship-To Contact:

Phone:

net 30

**Pymt Terms:** 

Freight Terms:

**Special Comments:** 

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200

Items

Line Item	Part	Supplier Part No		Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
Mfg.#5 : MATI TIVAR MANU SOLD THICK			UHMW 1" Black - 48"x120" Tivar Mfg,#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS-TOLERANCE: +0.030"/NO MINUS	Firmed	2/27/18	400 sf	0(sf		\$21.10/sf	\$8,440.00 DAS 11 9-89
2	минмwв10		UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS-TOLERANCE: +0.030"/NO MINUS	Firmed	2/27/18	400 sf	400	400 sf		\$8,440.00 DAS \$4 9-39
3	минмwв10		UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS-TOLERANCE: +0.030"/NO MINUS	Firmed	2/27/18	400 sf	o(sf) 400 FEE	400 sf	ព	\$8,440.00 DAS 11 1-59
4	минмwв10		UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS-TOLERANCE: +0.030"/NO MINUS	Firmed	2/27/18	400 sf	0 (si) 400		\$21.10/sf 6 2018 1	S
	-	-					1	(	Grand Total:	\$33,760.00



### Certificate of Conformance

Attn:

RECEIVING DEPARTMENT

1665 55<sup>th</sup> Avenue Dorval, Quebec, H9P 2W3

Date: January 12/2018

Customer P.O. Number: PO34711

Polymershapes Canada Distribution Inc.

**Quality Coordinator** 

To: Address:	DART AEROSPACE LTD. 1270 ABERDEEN STREET HAWKESBURY, ON.	Manufacturer's Refere	93027301 : 0002071552 : MTL-106148		
below confo such product Polymershap	certified that, to the best of Polymershapes Di rms to the corresponding information in the po- cts. This certification and the sale of pro- ces Distribution Canada standard conditions of written approval.	ssession of Polymershap ducts are, unless other	es Dist	tribution Canada with respect to	
Quantity	Description			Lot Number/Spec.	
40 SHTS	TIVAR 1000 PLATE BLACK PLANED 2 SIDE 1 X 48" X 120"	S +/020	00067	03639	

By:

Title:

Unless otherwise agreed to in a document signed by both parties, any sale of products by Polymershapes Distribution Canada Inc. ("Polymershapes") is made exclusively under Polymershapes' Standard Terms and Conditions of Sale, which are available at <a href="https://www.polymershapes.com">www.polymershapes.com</a>. POLYMERSHAPES MAKES NO WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OF FITNESS FOR INTENDED USE OF ITS PRODUCTS IN ANY CUSTOMER'S APPLICATION. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary supersede, or waive any provision of Polymershapes' Standard Terms Conditions of Sale or this disclaimer. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Polymershapes or any of its subsidiaries or affiliates covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.



Quadrant EPP USA, Inc. 2120 Fairmont Avenue, P.O. Box 14235 Reading, PA 19612-4235 Phone 610-320-6600

Ship to:

Polymershapes - Dorval 1665 - 55th Avenue

Dorval, QUE H9P 2W3 Canada

Consignee: 0002000430

Sold to:

Polymershapes - Dorval 1665, 55 Avenue

Dorval, QUE H9P 2W3 Canada

Delivery address: 1A Delivery No: 9175912

Declaration of compliance with the order according EN 10204 - 2.1

TIVAR 1000 PLATE BLACK 1 x 48 x 120 IN PLANED 2 SIDES, +/- .020

Item No: 03010110318

Lot: 0006703639

Ship date: 10/13/17

Original Production Lot: 0006494342

Date of MFG: 10/09/17

Qty: 40.00 PC

Supplied against purchase order number: MTL-106148

Quadrant Order No: 0002071552

Product is known as ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE with a pigment additive.

Base resin meets ASTM D4020 with a molecular weight of 3.0 to 6.2 million G/Mol.

For specific details related to regulatory compliance, see Quadrants Regulatory Letter for this material, which is available upon request.

We hereby certify that the goods described above comply with the terms of the order contract and conform to our Product Specifications. The Quality Management System of the Quadrant EPP plants in Reading, PA, Scranton, PA, Wytheville, VA, Delmont, PA and Ft. Wayne, IN are certified according to ISO 9001. The ISO Certificate is available upon request.

CERTIFIED BY: Eric Weir

FUNCTION: Product Specification & Certification Engineer

E-MAIL: eric.weir@qplas.com

DATE: 10/13/17

DIGITAL SIGNATURE SATTAM

MATERIAL: Mu				-		PO / BATC	н NO.: <u>347</u>	1/50453
	400	5	2		THIC	KNESS RECE ET SIZE ORDI		9X10
QUANTITY REJECTED:	P			-	SHEE	I SIZE RECE	:IVED:	4x10
DESCRIPTION	NCI (Che Y/N	ck				COMMEN	ITS	
SURFACE DAMAGE	Y (	N')						
CORRECT FINISH		N		M				
CORROSION		N)					***	
CORRECT GRAIN DIRECTION		N	01					
CORRECT MATERIAL PER M-DRAWING	-	N	Dlac	KTIL	ar	1000		
CORRECT THICKNESS	11 /1	N						
PHOTO REQUIRED			1	1 /	-			
CORRECT REF # TO LINK CERT		N	LOT	#00	000	70363	39	
CORRECT MATERIAL IDENTFICATION		N						
CORRECT M# ON THE MATERIAL	0	N						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (	N)						
DOES THIS REQUIRE AN								
EXTRUSION REPORT	Y	N						
CUT SAMPLE PIEC	E OF N	VIA1	TERIAL A	AND PRE	FORM	A HARDNE	ESS CHECK.	
	RI			SULTS BE				
V0= 0= 111===1::			HRC	HRE	3	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL	-							
SIZE OF TEST SAMPLE	F							
HARDNESS / DUROMETER READI		_						
	tes	ters	iocated in	the Quality	y Offic			
QC 18 INSPECTION						ENGINEE	RING SIGNOR	FF (if required)

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SIGNED OFF BY:

DATE:

FEB 2 6 2018

INSPECTED BY: 9-80

DATE:

O 00 REV. C SCALE 12.09.27 11,06.09 SHEET 1 OF 05.03.31 DATE DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA GHT © 2005 BY DART AEROSPACE LTD A.JS F. AP REFORMAT ADDED MATERIAL REQUIREMENTS FROM 02689 MANUFACTURER UPDATED (SEE PAR 11-105) DELEASE INCREASED ACCURACY OF PART NUMBER THICKNESS, "TIT" WAS "TI" ECN 12-672 TITLE UHMW SHEET DRAWING NO. WHERE TTT = THICKNESS IN 1/100 INCHES C = COLOUR (B = BLACK)
(W = WHITE) 12.09.27 NEW ISSUE MFG. APPR. APPROVED CHECKED DE APPR. DRAWN O PURCHASE MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR'QUADRANT PLASTICS THICKNESS - TOLERANCE: +0.030"/ NO MINUS 8 REV. EG 1000" UHMW BLACK TWAR 1000 = MUHMWB100 1.250" UHMW BLACK TIVAR 1000 = MUHMWB125 \*REFERENCE DART REPORT DR-1041 ULTIMATE BEARING 4200 PSI FLEXURAL MODULUS 105000 PSI ULTIMATE TENSILE 4600 PSI PART NUMBER: MUHMW C TTT THICK VIELD SPILAL

ULTIMATE SHEAR 3500 PSI
TABLING 2800 PSI 2900 PSI YIELD TENSILE YIELD SHEAR 0 0 8

MATERIAL: MUHM WBIO  DATE: FEB 2 6 2018	PO/BATCH NO::34711/5045596~
MATERIAL CERT REC'D: Yes  QUANTITY RECEIVED: 400 fr 2  QUANTITY INSPECTED: 400 fr 2	THICKNESS ORDERED: 1.000 THICKNESS RECEIVED: 1.000 SHEET SIZE ORDERED: 4X0 SHEET SIZE RECEIVED: 4X10

DESCRIPTION	(Ch	CR neck (N)	COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	(4)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	Black tivar 1000
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	W	N	Lot# 0006703639
CORRECT MATERIAL IDENTFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(V)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(Z)	

CUT SAMPLE PIECE OF	MATERIAL A			SS CHECK.	
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: 11	SIGNED OFF BY:
DATE: 9-8PEB 2 6 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

0 O 12.09.27 11.06.09 05.03.31 SHEET 1 OF DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA COPYRIGHT © 2003 BY DART AEROSPACE LTD
SOMMATE AND CONTRIBUTE AND IS SUPPLED ON THE EXPRESS CONTRI AP AJS RF REFORMAT ADDED MATERIAL REQUIREMENTS FROM D2689 MANUFACTURER UPDATED (SEE PAR 11-105) DELEASE INCREASED ACCURACY OF PART NUMBER THICKNESS, "TTT" WAS "TT" ECN 12-672 UHMW SHEET DRAWING NO. DESCRIPTION MUHMW TITLE WHERE TTT = THICKNESS IN 1/100 INCHES C C = COLOUR (B = BLACK) (W = WHITE) 12.09.27 **NEW ISSUE** CHECKED
MFG. APPR.
APPROVED
DE APPR. DESIGN PURCHASE MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS - TOLERANCE: +0.030"/ NO MINUS EG. 1,000" UHMW BLACK TIVAR 1000 = MUHMWB100 1,250" UHMW BLACK TIVAR 1000 = MUHMWB125 \*REFERENCE DART REPORT DR-1041 YIELD BEARING 2800 PSI ULTIMATE BEARING 4200 PSI FLEXURAL MODULUS 105000 PSI 4600 PSI 3500 PSI PART NUMBER: MUHMW C TTT 2900 PSI 2200 PSI ULTIMATE TENSILE **ULTIMATE SHEAR** YIELD TENSILE YIELD SHEAR 0 O 00

MATERIAL: Mu	0/		_	PO / BATCI	н NO.: <u>347</u>	11/50435
MATERIAL CERT REC'D:	25		_ TH	CKNESS ORDE	RED: /c	000
QUANTITY RECEIVED: 4	,	_ THI	CKNESS RECE	IVED: 1.C	100	
QUANTITY INSPECTED: 40	20601		SHE	EET SIZE ORDE	RED: 4	XIO
QUANTITY REJECTED:	2		SHE	ET SIZE RECE	IVED: 5	(XIO)
	NCR	1				
DESCRIPTION	(Check Y/N)			COMMEN	TS	
SURFACE DAMAGE	YN					
CORRECT FINISH	(Y) N					
CORROSION	YN	)				
CORRECT GRAIN DIRECTION	(Y) N	01	1/ 15			
CORRECT THICKNESS	N N	place	IC TIL	ar 100	0	
PHOTO REQUIRED	YA					
CORRECT REF # TO LINK CERT	(B) N	101	t oans	203639	7	
CORRECT MATERIAL IDENTFICATION	-	10,7	7 0000	10007		
CORRECT M# ON THE MATERIAL	(Y) N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y					
DOES THIS REQUIRE AN EXTRUSION REPORT	× ((Z					
CUT SAMPLE PIECE			ND PREFOR		SS CHECK.	
		HRC	HRB	DUR A	DUR D	WEBSTER
YPE OF MATERIAL						
BIZE OF TEST SAMPLE HARDNESS / DUROMETER READIN						
THE TENEDON DONOMETER READI		located in	the Quality Office			
	1031073	nocaled m	are quanty One	<u>se</u>		
C 18 INSPECTION	350			ENGINEER	ING SIGNOR	F (if required)
INSPECTED BY: 9-89			SIGI	NED OFF BY:		7
DATE: FEB 2 6	2018			DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

0 O 00 REV. C 12.09.27 11.06.09 COPYRIGHT © 2005 BY DART AEROSPACE LTD
6 MINN AND COMPINITAL AND EXPLICIT OF EXPLICIT OF AN INTERPRETATION OF COMPANY OF THE TOTAL O SHEET 1 OF 05.03.31 DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA AJS AP RF ADDED MATERIAL REQUIREMENTS FROM D2689
MANUFACTURER UPDATED (SEE PAR 11-105) DELEASE LIZITO ID INCREASED ACCURACY OF PART NUMBER THICKNESS, "TT" WAS "TT" ECN 12-672 UHMW SHEET DRAWING NO. MUHWW WHERE TIT = THICKNESS IN 1/100 INCHES.

C = COLOUR (B = BLACK)

(W = WHITE) AP REFORMAT **NEW ISSUE** 12.09.2 MFG. APPR.
APPROVED
DE APPR.
DATE 12 CHECKED DRAWN PURCHASE MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS - TOLERANCE: +0.030"/ NO MINUS REV. 80 EG. 1.000" UHMW BLACK TIVAR 1000 = MUHMWB100 1.250" UHMW BLACK TIVAR 1000 = MUHMWB125 \*REFERENCE DART REPORT DR-1041 YIELD BEARING 2800 PSI ULTIMATE BEARING 4200 PSI FLEXURAL MODULUS 105000 PSI ULTIMATE TENSILE 4600 PSI VIELD SHEAR 3500 PSI PART NUMBER: MUHMW C TTT THICK 2900 PSI YIELD TENSILE ٥ O 8

MATERIAL: MUI	4nv B 2	6 20	B10	_		PO / BATC	н NO.: <u>3 У</u>	711 /5045			
MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:	100	Sp12		_ _ _	THIC	CKNESS ORDE CKNESS RECE ET SIZE ORDE ET SIZE RECE	RED: 5.0	00			
DESCRIPTION		CR		-							
DESCRIPTION	1	heck /N)		COMMENTS							
SURFACE DAMAGE	Y	-									
CORRECT FINISH	(Ý	N									
CORROSION	Y	N									
CORRECT GRAIN DIRECTION	Y	N	101								
CORRECT MATERIAL PER M-DRAWING	M	N	13/000	14	tiva	V 1000					
CORRECT THICKNESS PHOTO REQUIRED	(1)	N	-								
CORRECT REF # TO LINK CERT	0	N	100/2	10	10-1-	-5/70					
CORRECT MATERIAL IDENTFICATION		N	COLI	10	00670	73639					
CORRECT M# ON THE MATERIAL	A	N									
DOES THIS MATERIAL REQUIRE	0	1				-					
ENGINEERING SIGN OFF	Y	M									
DOES THIS REQUIRE AN		~									
EXTRUSION REPORT	Y	(N)									
CLIT CAMPLE DIFOL	- 05		FEDIAL								
CUT SAMPLE PIECE	E OF	MA	I ERIAL A	AND	PREFORM	A HARDNE	SS CHECK.				
			HRC	T	IS BELOW		5115.5				
TYPE OF MATERIAL		_	TING	-	HRB	DUR A	DUR D	WEBSTER			
SIZE OF TEST SAMPLE				_				-			
HARDNESS / DUROMETER READII	NG			1							
		sters	located in	the (	Quality Office	e					
						-					
AC 19 INCRECTION											
C 18 INSPECTION						ENGINEER	ING SIGNOF	F (if required)			
INSPECTED BY:					0:0:	ED 055 51					
0.00					SIGN	ED OFF BY:					
DATE: FEB 2 6 2	018					DATE:					

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

12.09.27 11.06.09 SHEET 1 OF 05.03.31 DESCRIPTION

DART AEROSPACE LTD

HAWKESBURY, ONTARIO, CANADA

RE-COPYRIGHT © 2005 BY DART AEROSPACE LTD

NOT TO BE USED FOR A THE SECOND OF THE SECOND AP AJS RF ADDED MATERIAL REQUIREMENTS FROM 02689
MANUFACTURER UPDATED (SEE PAR 11-105) BELEASE INCREASED ACCURACY OF PART NUMBER THICKNESS, "TTT" WAS "TT" ECN 12-672 UHMW SHEET MUHMW WHERE TTT = THICKNESS IN 1/100 INCHES.

C = COLOUR (B = BLACK)
(W = WHITE) REFORMAT NEW ISSUE 12.09.27 CHECKED MFG. APPR. APPROVED DE APPR. DESIGN PURCHASE MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS - TOLERANCE: +0.030"/ NO MINUS REV. 00 EG. 1.000" UHMW BLACK TIVAR 1000 = MUHMWB106 7.250" UHMW BLACK TIVAR 1000 = MUHMWB125 MINIMUM MATERIAL PROPERTY VALUES \*REFERENCE DART REPORT DR-1041 ULTIMATE BEARING 4200 PSI FLEXURAL MODULUS 105000 PSI ULTIMATE TENSILE 4600 PSI ULTIMATE SHEAR 3500 PSI YIELD BEARING 2800 PSI PART NUMBER: MUHMW C TTT THICK 2900 PSI 2200 PSI YIELD TENSILE YIELD SHEAR 0 O